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TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD

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ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

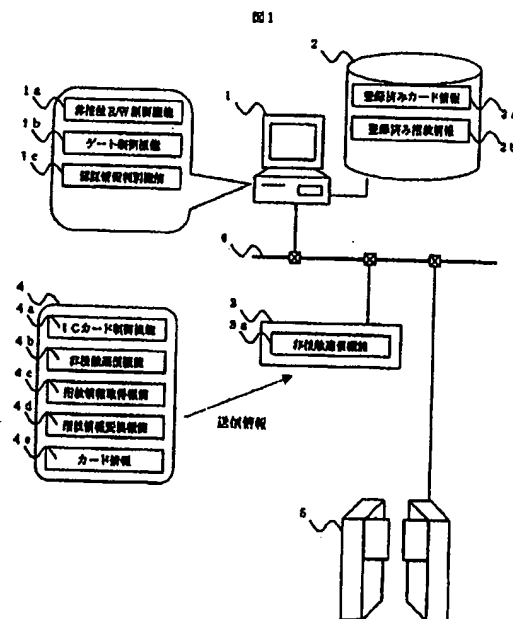
SOLUTION: The card information of IC cards each of non-contact type and the fingerprint information of a true owner of the IC card has been registered in a database 2 as registered card information 2a and registered fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the card information 4e has been registered as the registered information 2a or not to authenticate the IC card 4, and when the IC card 4 is authenticated, confirms whether the fingerprint information has been registered as the fingerprint information 2b or not to authenticate the card user.

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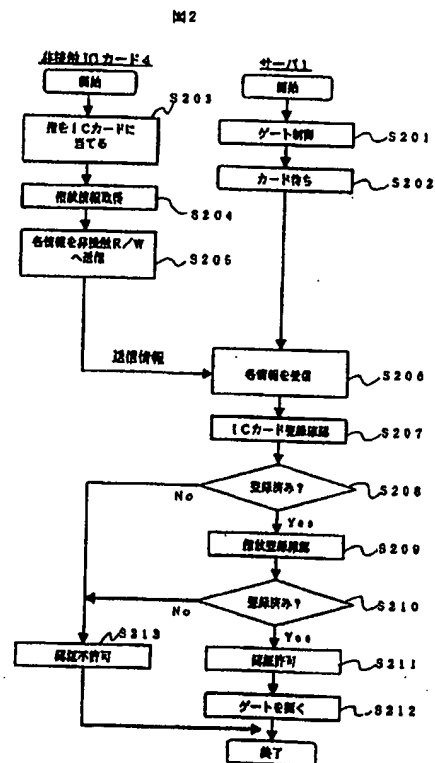
- 5 ゲート
- 6 ネットワーク
- 7 POS 端末
- 7 a 電子マネー処理機能
- 8 IC カード読み書き装置
- 8 a 指紋情報取得機能
- 8 b 指紋情報変換機能
- 8 c IC カード通信機能
- 8 d 非接触通信機能
- 9 接触 IC カード
- 9 a IC カード制御機能
- 9 b カード情報
- 9 c 接触通信機能

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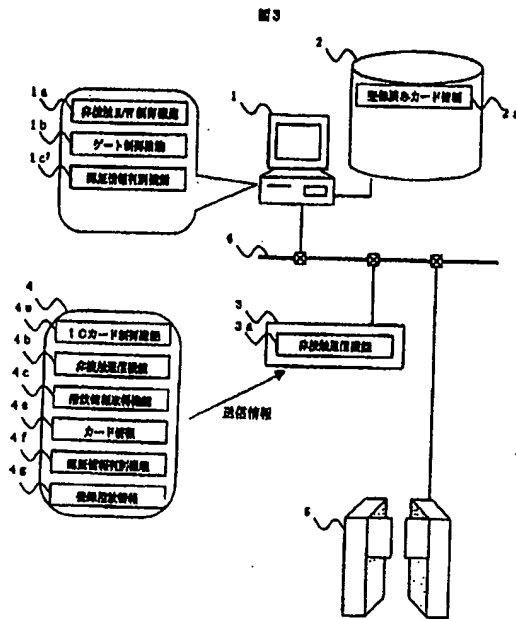
【图 1】



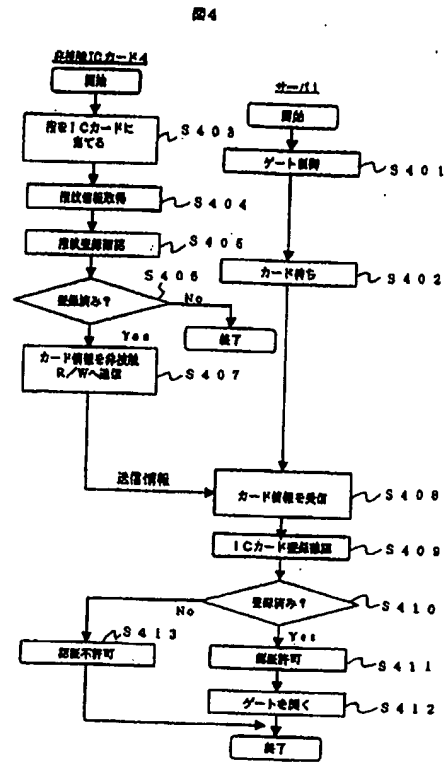
【圖 2】



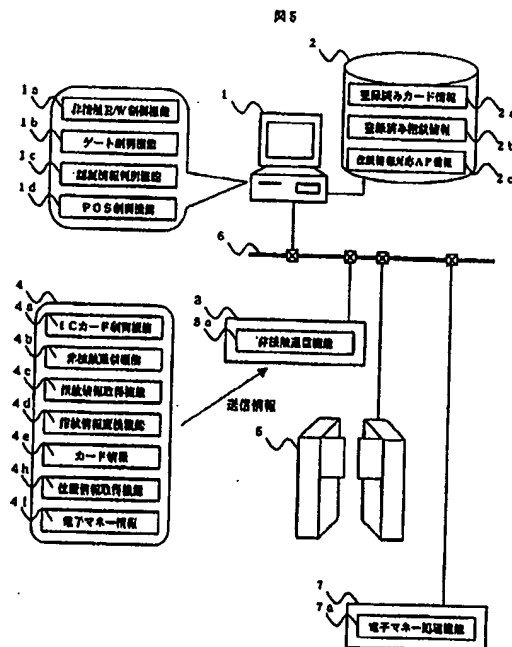
【図 3】



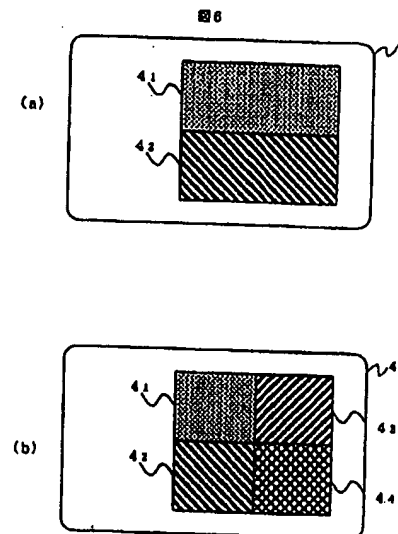
【図 4】



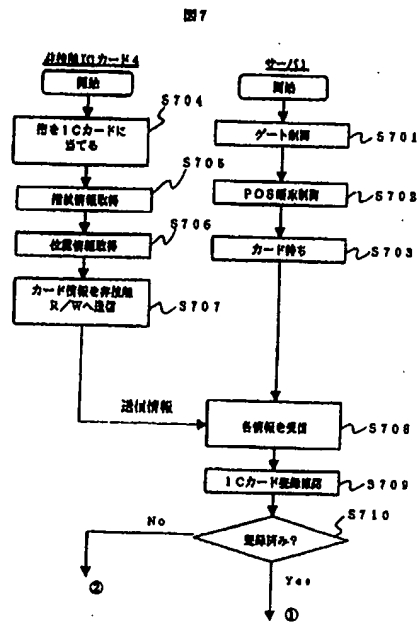
【図 5】



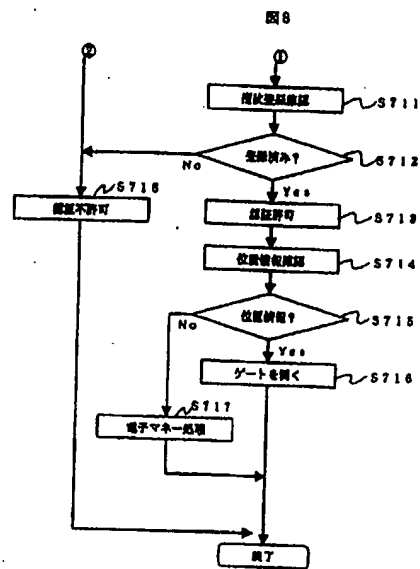
【図 6】



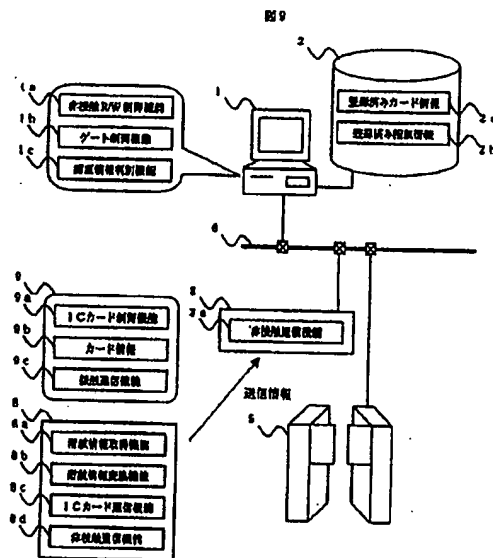
【図 7】



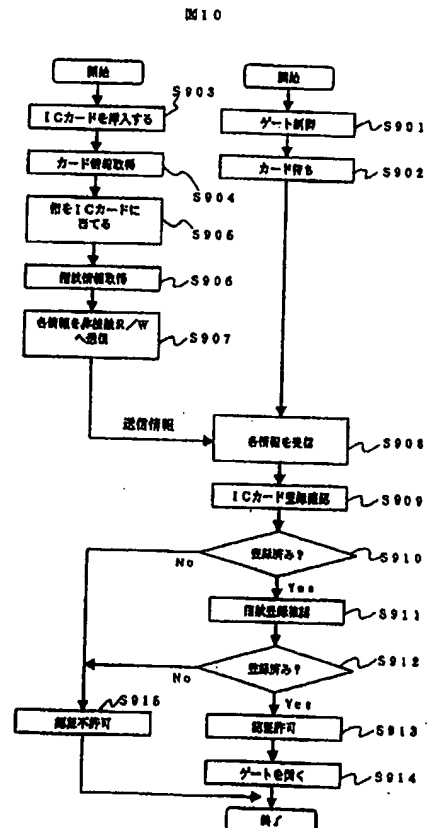
【図 8】



【図 9】



【図 10】



(51) Int. Cl. ⁷

テーマコード (参考)

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5B085 AA08 AE12 AE15 AE23 AE25 BE01 BE04 BG01 BG02 BG07